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Sheet

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of

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Application Number

10/533.025

Filing Date

November 20, 2006

First Named Inventor

Stephen Behr, et al.

Art Unit

1655

Examiner Name

Qiuwen Mi

Attorney Docket Number

20CF-144430

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ "Number" ⁴ "Kind Code" ⁵ (if known)				
		CA 406,408	07-28-1942	Tannin Corp./Shelton		
		EP 0 870 507 A1	10-14-1998	Farmo-Nat Ltd./Levin		
		GB 544,615	04-21-1942	Tannin Corp./Shelton		
		JP 03287532 (abstract)	12-18-1991	Daicel Chemical Ind.		
		JP 2002-087973 (abstract and copy)	03-27-2002	Kao Corp./Oji Paper		
		WO 2004/019961 A1	03-11-2004	Bio-Pharmacopae Design Int'l. Inc./Cyr		

**Examiner
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Art Unit	1655
Examiner Name	Qiuwen Mi
Attorney Docket Number	20CF-144430

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ARAKAWA, Kazuhito, et al. "Multifunctional Anti-Angiogenic Activity of the Cyclic Peroxide Ano-2 with Antitumor Activity," <i>Int. J. Cancer</i> , 2002, pp. 220-227, Vol. 100, Wiley-Liss, Inc., UICC.	
		BERGERS, Gabriele, et al. "Matrix metalloproteinase-9 triggers the angiogenic switch during carcinogenesis," <i>Nature Cell Biology</i> , October 2000, pp. 737-744, Vol. 2, Macmillan Magazines Ltd., http://cellbio.nature.com .	
		BOEHM, Marcus F., et al. "Section Review: Pulmonary-Allergy, Dermatological, Gastrointestinal & Arthritis – Retinoids: biological function and use in the treatment of dermatological diseases," <i>Exp. Opin. Invest. Drugs</i> , 1995, pp. 593-612, Vol. 4 (7), Ashley Publications Ltd., ISSN 1354-3784.	
		GROSS, Stephen C., et al. "Antineoplastic Activity of <i>Solidago virgaurea</i> on Prostatic Tumor Cells in an SCID Mouse Model," <i>Nutrition and Cancer</i> , 2002, pp. 76-81, Vol. 43, No. 1, Lawrence Erlbaum Associates, Inc.	
		KIM, Bae-Hwan, et al. "The mechanism of retinol-induced irritation and its application to anti-irritant development," <i>Toxicology Letters</i> , 9/1/2003, pp. 65-73, Vol. 146, Elsevier Ireland Ltd.	
		KLIGMAN, A.M., et al. "Topical retinol improves cellulite," <i>Journal of Dermatological Treatment</i> , 1999, pp. 119-125, Vol. 10, JDT, ISSN 0954-6634.	
		KRAUS, Josef, et al. (abstract). "Antitumor polysaccharides from <i>Solidago</i> species," <i>Deutsche Apotheker Zeitung</i> , 12/26/1986, pp. 2045-9, Vol. 126 (38), Pharm. Biol., Univ. Regensburg, Regensburg, Germany, ISSN: 0011-9857.	
		LIOTTA, L.A., et al. "Metastatic potential correlates with enzymatic degradation of basement membrane collagen," <i>Nature</i> , 3/6/1980, pp. 67-68, Vol. 284, Macmillan Journals Ltd., Nature Publishing Group.	
		NAKAHARA, Hirokazu, et al. "Transmembrane/cytoplasmic domain-mediated membrane type 1-matrix metalloprotease docking to invadopodia is required for cell invasion," <i>Proc. Natl. Acad. Sci. USA</i> , July 1997, pp. 7959-7964, Vol. 94, The National Academy of Sciences.	
		PARK, Moon-Taek, et al. "Glucocorticoid Receptor-induced Down-regulation of MMP-9 by Ginseng Components, PD and PT Contributes to Inhibition of the Invasive Capacity of HT1080 Human Fibrosarcoma Cells," <i>Molecules and Cells</i> , 1999, pp. 476-483, Vol. 9, No. 5, Springer-Verlag.	

Examiner Signature	Date Considered
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		SUTHAR, A.C., et al. "A review on ginger (<i>Zinger officinale</i>): Pre-clinical and clinical trials," <i>Indian Journal of Traditional Knowledge</i> , January 2002, pp. 51-61, Vol. 2 (1).	
		VARANI, James, et al. "Molecular Mechanisms of Intrinsic Skin Aging and Retinoid-Induced Repair and Reversal," <i>JID Symposium Proceedings</i> , 1998, pp. 57-60, Vol. 98, The Society for Investigative Dermatology, Inc.	
		International Search Report for International Application No. PCT/CA2002/00285 dated July 23, 2002, European Patent Office.	
		Office Action for US Patent Application No. 10/091,331 dated October 10, 2002.	
		Office Action for US Patent Application No. 10/091,331 dated March 21, 2003.	
		Office Action for US Patent Application No. 10/091,331 dated November 14, 2003.	
		Office Action for US Patent Application No. 10/091,331 dated July 27, 2004.	
		Office Action for US Patent Application No. 10/526,387 dated May 2, 2008.	
		Office Action for US Patent Application No. 11/577,292 dated October 19, 2009.	
		Office Action for US Patent Application No. 12/263,114 dated September 23, 2009.	

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